Abstract

Title: Virtualisation of Surveillance Systems
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Abstract:
This thesis studies the procedures in the field of security, building and lifesafety management focused at rising necessity of securing buildings in geografically large areas. The opening chapters of the thesis explain the principles of facility management relevant to security and present current progress in the field. It creates new comprehensive source of information based on the experience of security specialist that Czech languge lacks. The following chapters define new terms in the field of security – large area (LA) and securing the LA (SLA) – and specify the essential qualities of SLA systems. Subsequent part of the thesis discusses possible architecture of the SLA system and proposes own solution based on ideas of service architecture and OPC. The thesis contains partial implementation of the crutial element of the framework – the virtual device. The final chapters demonstrates needed qualities of the framework using its sample application.
Keywords: surveillance system, security, large area, virtual device, framework